

Masamichi Takami

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4552975/publications.pdf>

Version: 2024-02-01

94
papers

5,206
citations

159358

30
h-index

88477

70
g-index

99
all docs

99
docs citations

99
times ranked

5502
citing authors

#	ARTICLE	IF	CITATIONS
1	Tumor Necrosis Factor α Stimulates Osteoclast Differentiation by a Mechanism Independent of the Odf/Rankl-Rank Interaction. <i>Journal of Experimental Medicine</i> , 2000, 191, 275-286.	4.2	1,219
2	Osteoclast differentiation independent of the TRANCE-RANK-TRAF6 axis. <i>Journal of Experimental Medicine</i> , 2005, 202, 589-595.	4.2	335
3	Interferon regulatory factor-8 regulates bone metabolism by suppressing osteoclastogenesis. <i>Nature Medicine</i> , 2009, 15, 1066-1071.	15.2	270
4	A Novel Member of the Leukocyte Receptor Complex Regulates Osteoclast Differentiation. <i>Journal of Experimental Medicine</i> , 2002, 195, 201-209.	4.2	250
5	Stimulation by Toll-Like Receptors Inhibits Osteoclast Differentiation. <i>Journal of Immunology</i> , 2002, 169, 1516-1523.	0.4	216
6	Lipopolysaccharide Promotes the Survival of Osteoclasts Via Toll-Like Receptor 4, but Cytokine Production of Osteoclasts in Response to Lipopolysaccharide Is Different from That of Macrophages. <i>Journal of Immunology</i> , 2003, 170, 3688-3695.	0.4	168
7	Suppression of Osteoprotegerin Expression by Prostaglandin E2 Is Crucially Involved in Lipopolysaccharide-Induced Osteoclast Formation. <i>Journal of Immunology</i> , 2004, 172, 2504-2510.	0.4	145
8	The identification of an osteoclastogenesis inhibitor through the inhibition of glyoxalase I. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 11691-11696.	3.3	125
9	Lipopolysaccharide supports survival and fusion of preosteoclasts independent of TNF- α , IL-1, and RANKL. <i>Journal of Cellular Physiology</i> , 2002, 190, 101-108.	2.0	110
10	Osteoimmunology: interactions of the immune and skeletal systems. <i>Molecules and Cells</i> , 2004, 17, 1-9.	1.0	108
11	Interleukin-1 β induces death in chondrocyte-like ATDC5 cells through mitochondrial dysfunction and energy depletion in a reactive nitrogen and oxygen species-dependent manner. <i>Biochemical Journal</i> , 2005, 389, 315-323.	1.7	101
12	Heparin enhances osteoclastic bone resorption by inhibiting osteoprotegerin activity. <i>Bone</i> , 2007, 41, 165-174.	1.4	101
13	Interleukin-4 inhibition of osteoclast differentiation is stronger than that of interleukin-13 and they are equivalent for induction of osteoprotegerin production from osteoblasts. <i>Immunology</i> , 2007, 120, 573-579.	2.0	89
14	Intracellular Calcium and Protein Kinase C Mediate Expression of Receptor Activator of Nuclear Factor- κ B Ligand and Osteoprotegerin in Osteoblasts. <i>Endocrinology</i> , 2000, 141, 4711-4719.	1.4	85
15	Enhancement of Bone Morphogenetic Protein-2-Induced Ectopic Bone Formation by Transforming Growth Factor- β 1. <i>Tissue Engineering - Part A</i> , 2011, 17, 597-606.	1.6	85
16	Importance of Membrane- or Matrix-Associated Forms of M-CSF and RANKL/ODF in Osteoclastogenesis Supported by SaOS-2 Cells Expressing Recombinant PTH/PTHrP Receptors. <i>Journal of Bone and Mineral Research</i> , 2000, 15, 1766-1775.	3.1	84
17	Disabling of Receptor Activator of Nuclear Factor- κ B (RANK) Receptor Complex by Novel Osteoprotegerin-like Peptidomimetics Restores Bone Loss in Vivo. <i>Journal of Biological Chemistry</i> , 2004, 279, 8269-8277.	1.6	83
18	Osteoclast Differentiation Induced by Synthetic Octacalcium Phosphate Through Receptor Activator of NF- κ B Ligand Expression in Osteoblasts. <i>Tissue Engineering - Part A</i> , 2009, 15, 3991-4000.	1.6	83

#	ARTICLE	IF	CITATIONS
19	p38 Mitogen-Activated Protein Kinase Is Crucially Involved in Osteoclast Differentiation But Not in Cytokine Production, Phagocytosis, or Dendritic Cell Differentiation of Bone Marrow Macrophages. <i>Endocrinology</i> , 2003, 144, 4999-5005.	1.4	79
20	Reveromycin A, an agent for osteoporosis, inhibits bone resorption by inducing apoptosis specifically in osteoclasts. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 4729-4734.	3.3	79
21	Shared and Distinct Functions of the Transcription Factors IRF4 and IRF8 in Myeloid Cell Development. <i>PLoS ONE</i> , 2011, 6, e25812.	1.1	78
22	Gene Expression Profiling of Osteoclast Differentiation by Combined Suppression Subtractive Hybridization (SSH) and cDNA Microarray Analysis. <i>DNA and Cell Biology</i> , 2002, 21, 541-549.	0.9	63
23	Phosphodiesterase inhibitors stimulate osteoclast formation via TRANCE/RANKL expression in osteoblasts: possible involvement of ERK and p38 MAPK pathways. <i>FEBS Letters</i> , 2005, 579, 832-838.	1.3	59
24	Regulation of osteoclast differentiation and function by receptor activator of NF κ B ligand and osteoprotegerin. <i>The Anatomical Record</i> , 2002, 268, 137-146.	2.3	55
25	Osteoblastic cells induce fusion and activation of osteoclasts through a mechanism independent of macrophage-colony-stimulating factor production. <i>Cell and Tissue Research</i> , 1999, 298, 327-334.	1.5	44
26	Lysine-specific gingipain promotes lipopolysaccharide- and active-vitamin D3-induced osteoclast differentiation by degrading osteoprotegerin. <i>Biochemical Journal</i> , 2009, 419, 159-166.	1.7	40
27	Porphyromonas gingivalis-derived Lysine Gingipain Enhances Osteoclast Differentiation Induced by Tumor Necrosis Factor- α and Interleukin-1 β but Suppresses That by Interleukin-17A. <i>Journal of Biological Chemistry</i> , 2014, 289, 15621-15630.	1.6	40
28	Identification and Characterization of the Precursors Committed to Osteoclasts Induced by TNF-Related Activation-Induced Cytokine/Receptor Activator of NF- κ B Ligand. <i>Journal of Immunology</i> , 2006, 177, 4360-4368.	0.4	38
29	Cells of Bone. , 2002, , 109-126.		38
30	Destruxins, cyclodepsipeptides, block the formation of actin rings and prominent clear zones and ruffled borders in osteoclasts. <i>Bone</i> , 2003, 33, 443-455.	1.4	35
31	Cytotoxic effects of NSL-1406, a new thienopyrimidine derivative, on leukocytes and osteoclasts. <i>Bioorganic and Medicinal Chemistry Letters</i> , 1999, 9, 797-802.	1.0	33
32	Bone morphogenetic protein 2 enhances mouse osteoclast differentiation via increased levels of receptor activator of NF- κ B ligand expression in osteoblasts. <i>Cell and Tissue Research</i> , 2010, 342, 213-220.	1.5	30
33	Bone loss caused by dopaminergic degeneration and levodopa treatment in Parkinson's disease model mice. <i>Scientific Reports</i> , 2019, 9, 13768.	1.6	30
34	Involvement of vacuolar H ⁺ -ATPase in incorporation of risedronate into osteoclasts. <i>Bone</i> , 2003, 32, 341-349.	1.4	29
35	Nitric Oxide in Pulp Cell Growth, Differentiation, and Mineralization. <i>Journal of Dental Research</i> , 2007, 86, 163-168.	2.5	29
36	Identification of two biologically crucial hydroxyl groups of (â ⁺)-epigallocatechin gallate in osteoclast culture. <i>Biochemical Pharmacology</i> , 2007, 73, 34-43.	2.0	29

#	ARTICLE	IF	CITATIONS
37	In Vitro Study of the Effects of Denosumab on Giant Cell Tumor of Bone: Comparison with Zoledronic Acid. <i>Pathology and Oncology Research</i> , 2019, 25, 409-419.	0.9	29
38	Feedback inhibition of osteoclastogenesis during inflammation by IL-10, M-CSF receptor shedding, and induction of IRF8. <i>Annals of the New York Academy of Sciences</i> , 2011, 1237, 88-94.	1.8	27
39	Cell Adhesion Signaling Regulates RANK Expression in Osteoclast Precursors. <i>PLoS ONE</i> , 2012, 7, e48795.	1.1	26
40	Honokiol Inhibits Osteoclast Differentiation and Function in Vitro. <i>Biological and Pharmaceutical Bulletin</i> , 2010, 33, 487-492.	0.6	25
41	BMP2 Differentially Regulates the Expression of Gremlin1 and Gremlin2, the Negative Regulators of BMP Function, During Osteoblast Differentiation. <i>Calcified Tissue International</i> , 2012, 91, 88-96.	1.5	25
42	Monocarboxylate Transporter-1 Is Required for Cell Death in Mouse Chondrocytic ATDC5 Cells Exposed to Interleukin-1 β via Late Phase Activation of Nuclear Factor κ B and Expression of Phagocyte-type NADPH Oxidase. <i>Journal of Biological Chemistry</i> , 2011, 286, 14744-14752.	1.6	24
43	Secretion of a Truncated Osteopetrosis-associated Transmembrane Protein 1 (OSTM1) Mutant Inhibits Osteoclastogenesis through Down-regulation of the B Lymphocyte-induced Maturation Protein 1 (BLIMP1)-Nuclear Factor of Activated T Cells c1 (NFATc1) Axis. <i>Journal of Biological Chemistry</i> , 2014, 289, 35868-35881.	1.6	24
44	Ca ²⁺ -ATPase Inhibitors and Ca ²⁺ -Ionophore Induce Osteoclast-like Cell Formation in the Cocultures of Mouse Bone Marrow Cells and Calvarial Cells. <i>Biochemical and Biophysical Research Communications</i> , 1997, 237, 111-115.	1.0	23
45	Biological effects of anti-RANKL antibody administration in pregnant mice and their newborns. <i>Biochemical and Biophysical Research Communications</i> , 2017, 491, 614-621.	1.0	23
46	Expression of POEM, a positive regulator of osteoblast differentiation, is suppressed by TNF- α . <i>Biochemical and Biophysical Research Communications</i> , 2011, 410, 766-770.	1.0	22
47	TGF- β ² suppresses POEM expression through ERK1/2 and JNK in osteoblasts. <i>FEBS Letters</i> , 2007, 581, 5321-5326.	1.3	21
48	Anti-mouse RANKL Antibodies Inhibit Alveolar Bone Destruction in Periodontitis Model Mice. <i>Biological and Pharmaceutical Bulletin</i> , 2018, 41, 637-643.	0.6	21
49	Interaction of Tumor Necrosis Factor Receptor-associated Factor 6 (TRAF6) and Vav3 in the Receptor Activator of Nuclear Factor κ B (RANK) Signaling Complex Enhances Osteoclastogenesis. <i>Journal of Biological Chemistry</i> , 2016, 291, 20643-20660.	1.6	19
50	A Delphinidin-Enriched Maqui Berry Extract Improves Bone Metabolism and Protects against Bone Loss in Osteopenic Mouse Models. <i>Antioxidants</i> , 2019, 8, 386.	2.2	19
51	Dimer formation of receptor activator of nuclear factor κ B induces incomplete osteoclast formation. <i>Biochemical and Biophysical Research Communications</i> , 2004, 325, 229-234.	1.0	18
52	Smad4 is required to inhibit osteoclastogenesis and maintain bone mass. <i>Scientific Reports</i> , 2016, 6, 35221.	1.6	17
53	Singleton-Merten Syndrome-like Skeletal Abnormalities in Mice with Constitutively Activated MDA5. <i>Journal of Immunology</i> , 2019, 203, 1356-1368.	0.4	17
54	D-chiro-inositol Negatively Regulates the Formation of Multinucleated Osteoclasts by Down-Regulating NFATc1. <i>Journal of Clinical Immunology</i> , 2012, 32, 1360-1371.	2.0	15

#	ARTICLE	IF	CITATIONS
55	Expression of nephronectin is inhibited by oncostatin M via both JAK/STAT and MAPK pathways. <i>FEBS Open Bio</i> , 2015, 5, 303-307.	1.0	15
56	Induction of osteoblastic differentiation of neural crest-derived stem cells from hair follicles. <i>PLoS ONE</i> , 2017, 12, e0174940.	1.1	15
57	Octacalcium phosphate suppresses chondrogenic differentiation of ATDC5 cells. <i>Cell and Tissue Research</i> , 2013, 352, 401-412.	1.5	14
58	Microscopic study on resorption of β -tricalcium phosphate materials by osteoclasts. <i>Cytotechnology</i> , 2015, 67, 727-732.	0.7	14
59	Localization and osteoblastic differentiation potential of neural crest-derived cells in oral tissues of adult mice. <i>Biochemical and Biophysical Research Communications</i> , 2015, 464, 1209-1214.	1.0	14
60	Down-regulation of <i>Irf8</i> by <i>Lyz2-cre/loxP</i> accelerates osteoclast differentiation in vitro. <i>Cytotechnology</i> , 2017, 69, 443-450.	0.7	13
61	Treatment with synthetic glucocorticoid impairs bone metabolism, as revealed by in vivo imaging of osteoblasts and osteoclasts in medaka fish. <i>Biomedicine and Pharmacotherapy</i> , 2019, 118, 109101.	2.5	13
62	Differentiation and function of osteoclasts cultured on bone and cartilage. <i>Journal of Electron Microscopy</i> , 2005, 54, 529-540.	0.9	12
63	Analogues of $1\alpha,25$ -dihydroxyvitamin D ₃ with high potency in induction of osteoclastogenesis and prevention of dendritic cell differentiation: Synthesis and biological evaluation of 2-substituted 19-norvitamin D analogues. <i>Bioorganic and Medicinal Chemistry</i> , 2006, 14, 4645-4656.	1.4	12
64	Requirement of osteoblastic cells for the fusion of preosteoclasts. <i>Journal of Bone and Mineral Metabolism</i> , 1998, 16, 151-157.	1.3	11
65	Nephronectin expression is regulated by SMAD signaling in osteoblast-like MC3T3-E1 cells. <i>Biochemical and Biophysical Research Communications</i> , 2012, 425, 390-392.	1.0	11
66	R848, a toll-like receptor 7 agonist, inhibits osteoclast differentiation but not survival or bone-resorbing function of mature osteoclasts. <i>Cytotechnology</i> , 2012, 64, 331-339.	0.7	11
67	Biological Effects of Anti-RANKL Antibody and Zoledronic Acid on Growth and Tooth Eruption in Growing Mice. <i>Scientific Reports</i> , 2019, 9, 19895.	1.6	11
68	Disruption of the mouse <i>Slc39a14</i> gene encoding zinc transporter ZIP14 is associated with decreased bone mass, likely caused by enhanced bone resorption. <i>FEBS Open Bio</i> , 2018, 8, 655-663.	1.0	10
69	Myelination during fracture healing in vivo in myelin protein zero (p0) transgenic medaka line. <i>Bone</i> , 2020, 133, 115225.	1.4	10
70	Roles of monocarboxylate transporter subtypes in promotion and suppression of osteoclast differentiation and survival on bone. <i>Scientific Reports</i> , 2019, 9, 15608.	1.6	8
71	Novel gene <i>Merlot</i> inhibits differentiation and promotes apoptosis of osteoclasts. <i>Bone</i> , 2020, 138, 115494.	1.4	8
72	The inhibition of malignant melanoma cell invasion of bone by the TLR7 agonist R848 is dependent upon pro-inflammatory cytokines produced by bone marrow macrophages. <i>Oncotarget</i> , 2018, 9, 29934-29943.	0.8	8

#	ARTICLE	IF	CITATIONS
73	Characterization of synovial cell clones isolated from rheumatoid arthritis patients: Possible involvement of TNF- α in reduction of osteoprotegerin in synovium. <i>Cytokine</i> , 2008, 41, 61-70.	1.4	7
74	Splenic extramedullary hemopoiesis caused by a dysfunctional mutation in the NF- κ B-inducing kinase gene. <i>Biochemical and Biophysical Research Communications</i> , 2011, 414, 773-778.	1.0	7
75	Pax5 Negatively Regulates Osteoclastogenesis through Downregulation of Blimp1. <i>International Journal of Molecular Sciences</i> , 2021, 22, 2097.	1.8	7
76	IFN- γ down-regulates Secretoglobin 3A1 gene expression. <i>Biochemical and Biophysical Research Communications</i> , 2009, 379, 964-968.	1.0	6
77	Inhibition of hepatocyte growth factor/c-Met signalling abrogates joint destruction by suppressing monocyte migration in rheumatoid arthritis. <i>Rheumatology</i> , 2021, 60, 408-419.	0.9	6
78	Effects of Anti- α Receptor Activator of Nuclear Factor Kappa B Ligand Antibody and Zoledronic Acid on Periapical Lesion Development in Mice. <i>Journal of Endodontics</i> , 2022, 48, 632-640.	1.4	6
79	Downregulation of Carbonic Anhydrase IX Promotes Col10a1 Expression in Chondrocytes. <i>PLoS ONE</i> , 2013, 8, e56984.	1.1	5
80	Expression of nephronectin is enhanced by 1 α ,25 α -dihydroxyvitamin D 3. <i>FEBS Open Bio</i> , 2016, 6, 914-918.	1.0	5
81	Effects of lipid metabolism on mouse incisor dentinogenesis. <i>Scientific Reports</i> , 2020, 10, 5102.	1.6	5
82	Lipopolysaccharide (LPS) inhibits ectopic bone formation induced by bone morphogenetic protein-2 and TGF- β 1 through IL-1 β production. <i>Journal of Oral Biosciences</i> , 2020, 62, 44-51.	0.8	5
83	Neural crest-derived cells possess differentiation potential to keratinocytes in the process of wound healing. <i>Biomedicine and Pharmacotherapy</i> , 2022, 146, 112593.	2.5	5
84	Neural crest-derived cells in nasal conchae of adult mice contribute to bone regeneration. <i>Biochemical and Biophysical Research Communications</i> , 2021, 554, 173-178.	1.0	4
85	Suppressive Effects of the Leaf of <i>Terminalia catappa</i> L. on Osteoclast Differentiation In Vitro and Bone Weight Loss In Vivo. <i>Journal of Nutritional Science and Vitaminology</i> , 2012, 58, 129-135.	0.2	3
86	LPS administration increases CD11b+ c-Fms+ CD14+ cell population that possesses osteoclast differentiation potential in mice. <i>Cytotechnology</i> , 2017, 69, 529-537.	0.7	3
87	Effects of N-methyl-d-aspartate receptor antagonist MK-801 (dizocilpine) on bone homeostasis in mice. <i>Journal of Oral Biosciences</i> , 2020, 62, 131-138.	0.8	3
88	Receptor activator of NF-kappaB ligand induces the fusion of mononuclear preosteoclasts into multinucleated osteoclasts. <i>Cytotechnology</i> , 2000, 33, 203-211.	0.7	2
89	Osteoclast Generation. , 2008, , 175-192.		2
90	Bropirimine inhibits osteoclast differentiation through production of interferon- β . <i>Biochemical and Biophysical Research Communications</i> , 2015, 467, 146-151.	1.0	2

#	ARTICLE	IF	CITATIONS
91	Conditional deletion of CD98hc inhibits osteoclast development. Biochemistry and Biophysics Reports, 2016, 5, 203-210.	0.7	2
92	Effects of Mechanical Strain on Differentiation of Osteoblastic Cells. , 2008, , .		0
93	Effects of Anti-RANKL Antibody and Zoledronate on Development of Young Mice. Proceedings for Annual Meeting of the Japanese Pharmacological Society, 2018, WCP2018, PO1-4-39.	0.0	0
94	Administration of anti-RANKL antibody to pregnant mice results in impaired development of mammary gland and death of newborns. Proceedings for Annual Meeting of the Japanese Pharmacological Society, 2018, WCP2018, PO1-4-38.	0.0	0